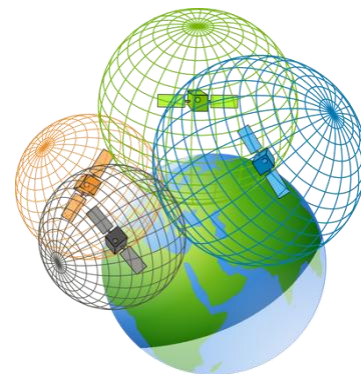


NGC-3000

GNSS COMPASS

- Highly accurate heading of 0.4 ° RMS
- Full GNSS with GPS, Beidou, GLONASS, Galileo
- Both THD (transmitting heading device) and GNSS
- Large LCD, 7 inch/color, touch screen operation
- Highly accurate SOG, COG, ROT and position
- Multi outputs of RS422 & LAN
- Up to five display modes available
- Compliant with IMO MSC.116(73) for THD
- Maintenance-free design

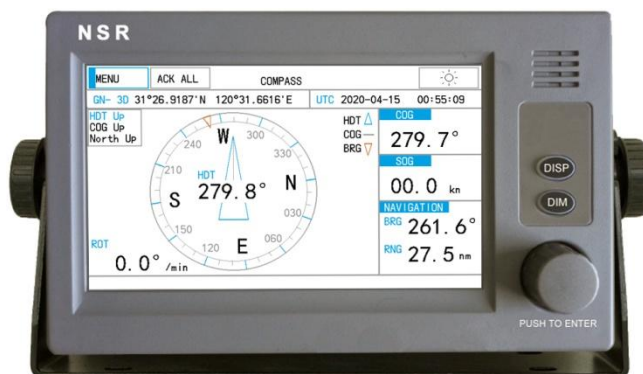


ANTENNA UNIT

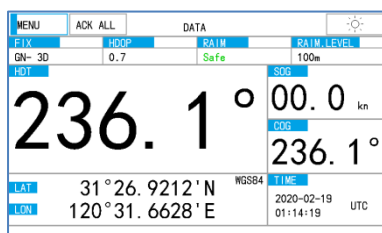
NEW



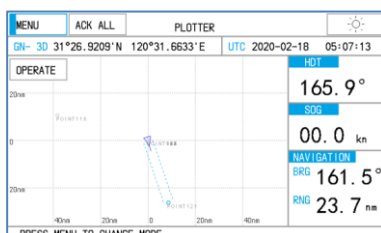
PROCESSOR UNIT



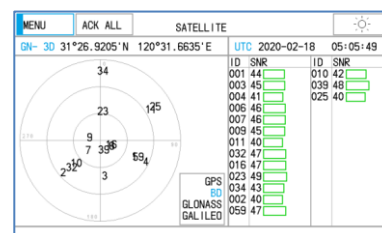
DISPLAY UNIT



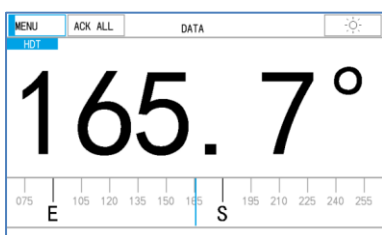
DATA (NAV DATA)



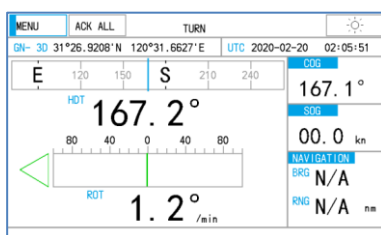
PLOTTER



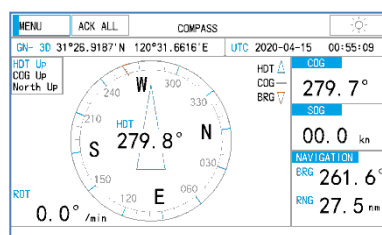
SATELLITE



DATA (HEADING)



TURN



COMPASS



SPECIFICATIONS

● GENERAL

Heading accuracy: 0.4° RMS
 Heading resolution: 0.1°
 Tracking rate of turn: 45/sec
 Tracking acceleration: 1G
 Pitch/roll angle: ±60°
 Receiving frequencies: GPS L1/L2, BDS B1/B2, GLONASS L1/L2, Galileo E1/E5b

Position accuracy: 1.5m
 Speed accuracy: 0.03m/s
 Position fixing time: <30s
 Data output rate: max 20Hz

● DISPLAY

Display system: 7 inch, color LCD, touch screen operation, 154(W)×87(H) mm
 Resolution: 800 x 480 dots
 Display mode: DATA (Heading, NAV data), PLOTTER, TURN, COMPASS, SATELLITE

● INTERFACE

Output ports: 2 IEC-61162-1 Ed4, Ed5, NMEA 1.5, 2.0, 2.3
 1 IEC-61162-450 LAN, RJ45 connector
 Transmission speed: 4800/9600/19200/38400 bps (selectable)
 INS in/out: ACN, ALC, ALF, HBT
 Data sentences: HDT, THS, ROT, RMC, GGA, VTG, ZDA, DTM, GLL, GST, ALC, ALF, HBT, RTE, WPL (selectable)

● POWER SUPPLY:

DC24V 500mA (range DC12-36V)

● ENVIRONMENTAL CONDITION

Temperature range: -20℃~+55℃ operational
 -30℃~+70℃ storage (Antenna)
 IP grade: IP22 (Processor unit & Display unit), IP66 (Antenna unit)
 Compass safe distance: 1.15m (standard)

● DIMENSION:

174 (W) ×81 (H) ×160 (D) mm (Processor unit)
 264 (W) ×145 (H) × 80 (D) mm (Display unit)
 810 (W) ×107 (H) × 160 (D) mm (Antenna unit)

EQUIPMENT LIST

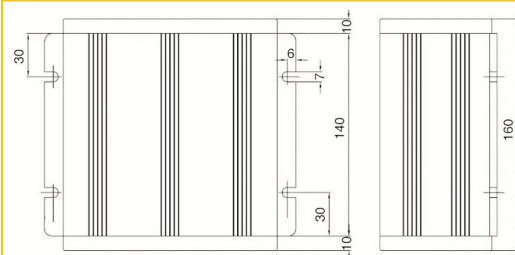
● STANDARD

- Processor unit	NGC-3000P	1 pc
- Display unit	NGC-3000D	1 pc
- Antenna	NGA300	2 pc
- Accessories		1 set

● OPTIONS

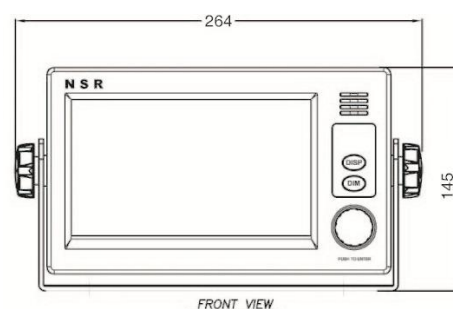
- Flush Mount Brackets for display unit	NFB700	1 pc
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SIZE DIMENSION

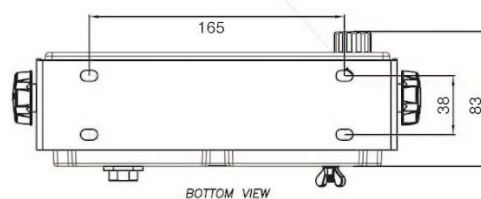


PROCESSOR UNIT

DISPLAY UNIT

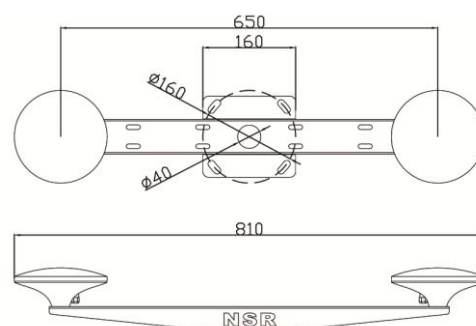


FRONT VIEW



BOTTOM VIEW

ANTENNA UNIT



SYSTEM DIAGRAM

